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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/516,796	08/12/2005	Mark Stefan Besseling	3985-045798	7326
28289	7590	10/03/2008	EXAMINER	
THE WEBB LAW FIRM, P.C. 700 KOPPERS BUILDING 436 SEVENTH AVENUE PITTSBURGH, PA 15219			JACKSON, BRANDON LEE	
ART UNIT	PAPER NUMBER			
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10/03/2008	PAPER			

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/516,796	<b>Applicant(s)</b> BESSELINK ET AL.
	<b>Examiner</b> BRANDON JACKSON	<b>Art Unit</b> 3772

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 20 June 2008.
- 2a) This action is FINAL.      2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 9-13,15 and 16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 9-13,15 and 16 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO-1668)  
 Paper No(s)/Mail Date \_\_\_\_\_
- 4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date \_\_\_\_\_
- 5) Notice of Informal Patent Application  
 6) Other: \_\_\_\_\_

### **DETAILED ACTION**

This office action is in response to amendments/arguments filed 6/20/2008.  
currently, claims 9-13 and 15-16 are pending in the instant application.

#### ***Response to Arguments***

Applicant's arguments with respect to claims 9-13 and 15-16 have been considered but are moot in view of the new ground(s) of rejection.

#### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 9-12 and 15-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Diefenbacher et al. (US Patent 6,027,466) in view of Jagodzinski (US Patent Application Publication 2002/0133108). Diefenbacher discloses an orthopedic

device (22) comprising two substantially rigid parts (4, 5) coupled to each other by hinge means (1). The rigid parts (4, 5) comprise fastening means (2, 3) for temporary fastening a limb part (fig. 1). The hinge means (1) comprises two hinges and each hinge has a pivot axis (9, 33) and pivots freely about the axis (9, 33). The pivot axes extend in directions which make an angle with each other of  $90 \pm 40^\circ$ , and are placed at a distance from one another to correspond with the pivoting characteristics of the relative joint. The two rigid parts (4, 5) are on one side of the hinge means (1). The device (22) further comprises a bounding means (figs 3-4) for limiting a chosen angular position (7, 10) of the pivoting movements of the hinges. Both hinges are obviously provided with a stop means that prevents the hinges from rotating out of the chosen angular ranges (7, 10). The fastening means (2, 3) comprises two divisible rings (2, 3) for wrapping about the user's limbs, which obviously are adjustable to fit about the user's limb. Diefenbacher fails to disclose a bounding means that is flexible and tensively strong. Jagodzinski teaches a knee orthotic device (1) comprising a bounding means (7) comprising a cable (8) that is flexible and tensively strong to restrict the movement of the knee. Therefore, it would be obvious to one of ordinary skill in the art at the time of the invention to modify the Johnson device with the bounding means, as taught by Jagodzinski, in order to provide the joint with more stability and prevent sudden abutment of the joint, which could be painful to the user.

Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Diefenbacher/Jagodzinski as applied to claim 9 above, and further in view of Johnson et

al. (US Patent 6,203,511). Diefenbacher/Jagodzinski fail to disclose the device is a knee orthosis. However, Johnson et al. teaches a knee orthotic (104) comprising dual perpendicular hinges (10) on the knee orthotic. Therefore, it would be obvious to one of ordinary skill in the art at the time of the invention to modify the Diefenbacher/Jagodzinski device to be used on a knee orthotic, where that fastening means (2, 3) are sized fit above and below the knee, as taught by Johnson, in order to rehabilitate a knee joint.

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRANDON JACKSON whose telephone number is (571)272-3414. The examiner can normally be reached on Monday - Friday 8-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patricia Bianco can be reached on (571)272-4940. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Brandon Jackson/  
Examiner, Art Unit 3772

BLJ

/Patricia Bianco/

Supervisory Patent Examiner, Art Unit 3772